

What is Claimed is:

1. A radio communication connection destination
2 specifying method of establishing a link between
3 electronic information communication devices in a radio
4 communication system which executes radio communication
5 using a radio wave, comprising the steps of:
6 transferring device identification information
7 of an electronic information communication device of a
8 connection request source to an electronic information
9 communication device of a connection request destination
10 using, as radio communication, radio communication with
11 strong directivity; and
12 causing the electronic information
13 communication device of the connection request
14 destination to specify the electronic information
15 communication device of the connection request source on
16 the basis of the transferred device identification
17 information and to establish the link.

2. A method according to claim 1, wherein the
2 radio communication system is a short-distance radio
3 data communication system.

3. A method according to claim 1, wherein the
2 transfer step comprises the step of transferring the
3 device identification information using infrared

4 communication as the radio communication with strong
5 directivity.

4. A method according to claim 3, wherein the
2 transfer step comprises the step of transferring the
3 device identification information using a connectionless
4 service as the infrared communication.

5. A method according to claim 3, wherein the
2 transfer step comprises the step of transferring the
3 device identification information using a connection-
4 oriented service as the infrared communication.

6. A method according to claim 1, wherein the
2 transfer step comprises the step of transferring a
3 short-distance radio data communication device address
4 as the device identification information.

7. A method according to claim 1, wherein the
2 transfer step comprises the step of transferring a
3 short-distance radio data communication device name as
4 the device identification information.

8. A method according to claim 1, further
2 comprising the step of, before transfer of the device
3 identification information, causing the device of the
4 connection request source to face the device of the

5 connection request destination.

9. A method according to claim 8, wherein
2 the method further comprises the steps of
3 upon receiving the device identification
4 information, transmitting an inquiry request from the
5 electronic information device of the connection request
6 destination to all electronic information devices
7 including the connection request source, and
8 upon receiving the inquiry request, returning
9 an inquiry response from all the electronic information
10 devices including the connection request source to the
11 electronic information device of the connection request
12 destination, and
13 the link establishment step comprises the step
14 of establishing the link upon determining that the
15 electronic information device for which the device
16 identification information received for the first time
17 matches that received for the second time is the
18 connection request source.

10. A method according to claim 9, wherein
2 when no device identification information is
3 received from the electronic information device of the
4 connection request source within a predetermined time
5 after a receiving state is set, the inquiry request is
6 transmitted from the electronic information device of

7 the connection request destination to all the electronic
8 information devices including the connection request
9 source,

10 a user is notified of pieces of device
11 identification information contained in inquiry
12 responses returned from all the electronic information
13 devices including the connection request source upon
14 receiving the inquiry request, and

15 the link is established upon determining the
16 electronic information device selected by user's
17 operation as the connection request source.